

INT19IS180
V Namratha
C2 batch
26-05-2020

1. Creating a directory by your name.

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -mkdir /namratha
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /
Found 5 items
drwxr-xr-x - hadoop supergroup      0 2022-06-02 15:02 /namratha
drwxr-xr-x - hadoop supergroup      0 2022-05-24 10:14 /pratheek
-rw-r--r-- 1 hadoop supergroup      0 2022-05-24 09:33 /pratheek.file1.txt
drwxrwxr-x - hadoop supergroup      0 2021-07-28 12:58 /tmp
drwxr-xr-x - hadoop supergroup      0 2021-07-28 12:56 /user
```

2. Adding two files into it.

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -touchz /namratha/empty1.txt
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -touchz /namratha/empty2.txt
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha
Found 2 items
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty1.txt
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty2.txt
```

3. List all the files in the directory that you have created

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha
Found 2 items
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty1.txt
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty2.txt
```

4. Create one more directory by your usn and put that inside the directory of your name

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -mkdir /namratha/int19is180
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha
Found 3 items
drwxr-xr-x - hadoop supergroup      0 2022-06-02 15:04 /namratha/int19is180
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty1.txt
-rw-r--r-- 1 hadoop supergroup      0 2022-06-02 15:03 /namratha/empty2.txt
```

5. Create a file in your local system by the name_usn.txt and add the contents as "Syntax to list Is command is Hadoop fs -ls".

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ cat > namratha_int19is180.txt
^Z
[2]+  Stopped                  cat > namratha_int19is180.txt
```

- Put the file usn_name.txt in your hdfs directory called usn.

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -touchz /namratha/int19is180/namratha_int19is180.txt
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha/int19is180
Found 1 items
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:07 /namratha/int19is180/namratha_int19is180.txt
```

Put empty file of hdfs into the local file system.

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -copyToLocal /namratha/int19is180/namratha_int19is180.txt
copyToLocal: 'namratha_int19is180.txt': File exists
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ ls
ab                                Desktop                file1.txt               hadoopPratheek          Pictures  Public
abcd.c                           dfsdata                file2.txt               ipl                     pl        snap
a.out                             Documents              file.c                  lol.c                   prank     Templates
apache-hive-3.1.2-bin             Downloads              hadoop-3.2.1           Music                   pri.c     tmpdata
apache-hive-3.1.2-bin.tar.gz      eclipse-workspace      hadoop-3.2.1.tar.gz    namratha_int19is180.txt priya.c   Videos
```

Experiment with cp command:

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -cp /namratha/empty1.txt /namratha/int19is180
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha/int19is180
Found 2 items
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:12 /namratha/int19is180/empty1.txt
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:07 /namratha/int19is180/namratha_int19is180.txt
```

- Use mv command to move files from local file system and hdfs file system.

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -mv /namratha/empty2.txt /namratha/int19is180
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -ls /namratha/int19is180
Found 3 items
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:12 /namratha/int19is180/empty1.txt
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:03 /namratha/int19is180/empty2.txt
-rw-r--r-- 1 hadoop supergroup          0 2022-06-02 15:07 /namratha/int19is180/namratha_int19is180.txt
```

- Display the total size of all the files in name directory

```
hadoop@admin1-HP-280-G4-MT-Business-PC:~$ hadoop fs -du /namratha/int19is180
0 0 /namratha/int19is180/empty1.txt
0 0 /namratha/int19is180/empty2.txt
0 0 /namratha/int19is180/namratha_int19is180.txt
hadoop@admin1-HP-280-G4-MT-Business-PC:~$
```

